



### LED Circular Highbay Light

High Efficacy up to 160 lm/W and up to 75% in energy savings available in 100W-240W configurations.

#### APPLICATIONS

- Parking
- Manufacturing
- Warehouse
- Commercial
- Sports Facilities
- Automotive
- Showrooms

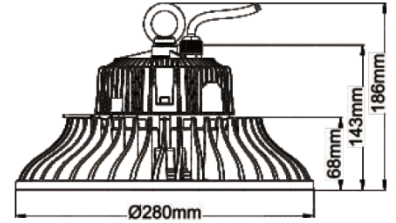
#### AUTHORIZED BY:

NAME:

DATE:

#### DIMENSIONS & WEIGHT

PRODUCT LINE	LCB-100/120
LENGTH (cm)	28
WIDTH (cm)	28
HEIGHT (cm)	18.6
NET WEIGHT (Kg)	3.5
PCS / CARTON	1
CARTON WEIGHT (Kg)	4.8



#### ORDERING INFORMATION

CNX-LCB		
PRODUCT TYPE	COLOR TEMPERATURE	WATTAGE
CNX-LCB	40 – 4000K 45 – 4500K 50 – 5000K	100 – 100 WATTS 120 – 120 WATTS

#### PRODUCT SPECIFICATIONS

##### Construction Characteristics:

- Single die-cast aluminum housing (Black)
- Glass/Polycarbonate/Acrylic lens available
- High grade thermal paste for optimal PCB to fixture cooling
- Weight: 3.5 Kg
- Powder coat finish
- IP 65 – suitable for outdoor use

##### Optical Characteristics:

- CRI (Color Rendering Index): >70
- 110 degree optics (60 degree available upon request)

##### Electrical Characteristics:

- Input Voltage: 120 ~ 277 VAC or 200-480 VAC, 50/60 Hz
- Power Factor: 0.9 at full load
- THD = <20%
- Operating Temperature Range: -20 ~ +70C
- Built in 4kV protection
- Optional Surge Protection: 10kV/10kA or 20kV/20kA
- 100,000 switching cycles

#### PRODUCT OPTIONS

INPUT VOLTAGE	ADDITIONAL SURGE PROTECTION	LENS COVER
P1 – 120~277 VAC P2 – 200~480 VAC	10K – 10KV/KA 20K – 20KV/KA (P2 ONLY) XXX – NO SURGE PROTECTION	GL – CLEAR GLASS PC – CLEAR POLYCARBONATE AC – CLEAR ACRYLIC
CONTROL	REFLECTOR	DRIVER FORM-FACTOR
CTR – CNX CONTROL DAL – 1-10V DALI ZIG – ZIGBEE MTN – MOTION DAY – DAYLIGHT HARVESTING XXX – NO CONTROL	AL6 – 60 DEGREE ALUMINUM AL9 – 90 DEGREE ALUMINUM XXX – NO REFLECTOR	SQR – RECTANGLE DRIVER RND – ROUND DRIVER (P1 ONLY)

#### ELECTRICAL DATA

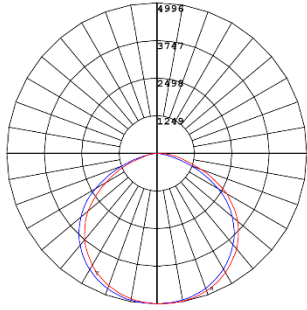
NUMBER LEDS	SYSTEM WATTAGE	LUMEN OUTPUT	EFFICACY
140 – 140 LEDS	100 WATTS	15,000 LUMENS	150 LM/W
140 – 140 LEDS	120 WATTS	18,000 LUMENS	150 LM/W

\*Available in 60 degree optics upon special request

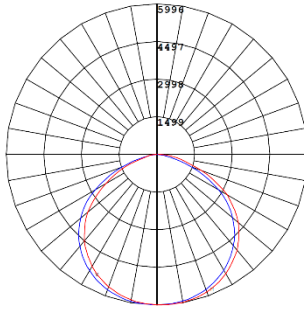
\*Available in 3,000k upon special request

# LINEAR CIRCULAR HIGHBAY LCB – 100/120

POLAR CANDELA CURVE	POLAR CANDELA CURVE	ILLUMINANCE AT A DISTANCE	ILLUMINANCE AT A DISTANCE
LCB – 100	LCB – 120	LCB – 100	LCB – 120



Vertical Plane Through: 0 - 90 Horizontal  
Horizontal Cone Through: 4 Vertical  
Maximum Candela = 4996.45 at 0 H 4 V



Vertical Plane Through: 0 - 90 Horizontal  
Horizontal Cone Through: 4 Vertical  
Maximum Candela = 5995.72 at 0 H 4 V

	Center Beam fc	Beam Width	
17.0R	17.3 fc	55.1 ft	56.4 ft
34.0R	4.32 fc	110.2 ft	112.7 ft
51.0R	1.92 fc	165.3 ft	169.1 ft
68.0R	1.08 fc	220.5 ft	225.5 ft
85.0R	0.69 fc	275.6 ft	281.8 ft
102.0R	0.48 fc	330.7 ft	338.2 ft

■ Vert. Spread: 116.7°  
■ Horiz. Spread: 117.8°

	Center Beam fc	Beam Width	
17.0R	20.7 fc	55.1 ft	56.4 ft
34.0R	5.18 fc	110.2 ft	112.7 ft
51.0R	2.30 fc	165.3 ft	169.1 ft
68.0R	1.30 fc	220.5 ft	225.5 ft
85.0R	0.83 fc	275.6 ft	281.8 ft
102.0R	0.58 fc	330.7 ft	338.2 ft

■ Vert. Spread: 116.7°  
■ Horiz. Spread: 117.8°

## MOUNTING OPTIONS



Round Driver Mounting  
(only available for P1 configurations)



Rectangle Driver Mounting



## REFLECTOR OPTIONS



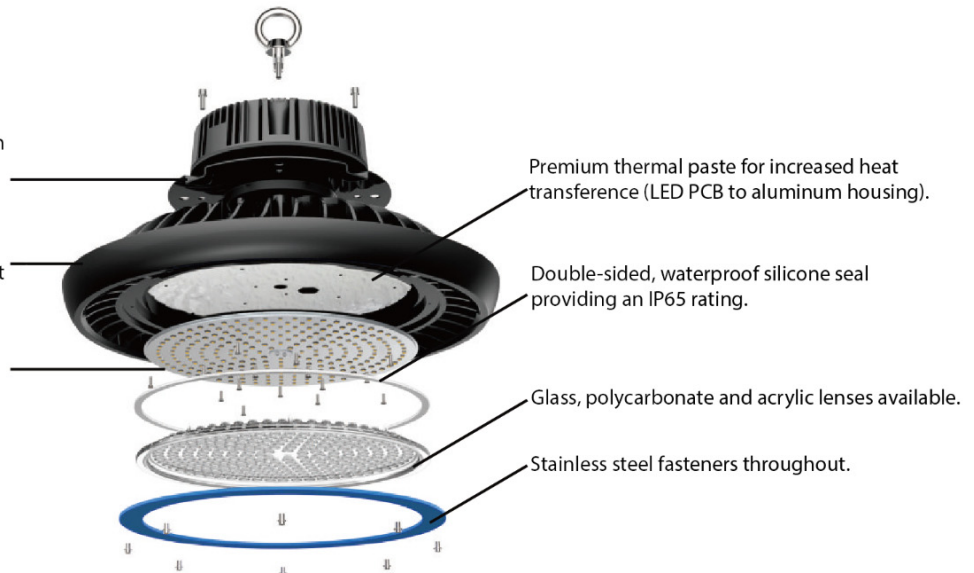
Aluminum Reflector  
(60 and 90 degree configurations)

## Exploded Drawing

Thermal insulated plate separates the driver from the die-cast fixture, reducing heat transfer to the driver - providing a longer lifespan.

Single die-cast aluminum housing, providing effective thermal dissipation. Epoxy powder coat finish.

Ultra-efficient LEDs delivering up to 160lm/W.



Premium thermal paste for increased heat transference (LED PCB to aluminum housing).

Double-sided, waterproof silicone seal providing an IP65 rating.

Glass, polycarbonate and acrylic lenses available.

Stainless steel fasteners throughout.